

Course Revision #1: In the first half of the semester we have covered the basics of modeling in the Project Environment during the house/pavilion charrette and we have explored preliminary methods of working within the Conceptual Design Environment including scripted techniques for variation using Dynamo. The next half of the semester will concentrate on how to work with detailed forms, connections, and methods of assembly using both Revit environments with the goal of producing one comprehensive project.

SEMESTER REMAINING SCHEDULE OF TOPICS

PART 2: ADAPTIVE CANOPY DETAILS & ORTHOGONAL ARTICULATIONS

(LESSONS IN PARAMETRIC DESIGN & TECTONIC DETAILS USING THE REVIT CONCEPTUAL DESIGN & PROJECT ENVIRONMENTS)
CASE STUDIES: DUBAI METRO STATION, MILAN TRADE FAIR, KUNSTHAUS BREGENZ, UT STUDENT SERVICES CENTER



P2.01	2014-03-11	T	Spider Clip Curtain Panels on Curved Truss Systems
P2.02	2014-03-13	R+1	Peter Zumthor's Kunsthhaus Bregenz Case Study
P2.03	2014-03-18	T	Milan Trade Fair Case Study – Form Making & Parametric Tornadoes
P2.04	2014-03-20	R+2	Milan Trade Fair Case Study – Rhomboid Glazed Curtain Panels
P2.05	2014-03-25	T	Form Making Precedent Strategies – Class Project Case Studies
P2.06	2014-03-27	R+3	Concrete / Steel Structures & Wood Slat Walls & Ceilings
P2.06b	2014-03-29	*	Curtain Grid Pattern Type Examples
P2.07	2014-04-01	T	Rail Profiles, Balusters, & Custom Railings
P2.08	2014-04-03	R+4	Custom Stair Parts & Designs
P2.08b	2014-04-05	*	Planning Model Site Incorporation & Connection Topography Elevation Points
P2.09	2014-04-08	T	Railings as Sunshades/Tracks & UT SSC Sunshading Device Methods
P2.10	2014-04-10	R+5	Window & Door Families with Operable Parts – Part 1
P2.11	2014-04-15	T	Window & Door Families with Operable Parts – Part 2
P2.12	2014-04-18	R+6	Custom Generic Modeling for Millwork & Panels
P2.13	2014-04-22	T	Interior Lighting, Daylighting, and Rendering
P2.14	2014-04-24	R+7	Displaced Views & Documentation Techniques for Details
P2.15	2014-04-29	T	Final Project Requirements & Topic Recap/Help
P2.16	2014-05-06	T+8	Final Due

**=Tentative; +1: Panel Mock-up Digitization Attempt; +2: Digitized Panel Attempt & Bug Model Rough Draft Addition; +3: "Wall-off" the Orthogonal Parts of your Project & Add Orthogonal Structure; +4: Stair/Railing Design & Tracks; +5: Articulate the Orthogonal Elements & Finalize the Panelized System; +6: Set up 3D Cameral Views, add lighting, and perform mock-up renderings; +7: Mock-up of Displaced View (Exploded Axon); +8: Final Due for the Metro Station & Retail / Office Building Project per the requirements given in class.*